

Application No. To Be Assigned

1 --16. An electrosurgery apparatus as set forth in claim 2 characterised in that the electrode or electrodes
2 (32, 33, 62, 63) and the electrode carrier (31, 61a-c) are heatable to a temperature of more than 37 degrees.--

Sub B3
Cont
3 -17. An electrosurgery apparatus as set forth in any one of the preceding claims characterised in that the
4 electrode or electrodes (62, 63) and/or the electrode carrier (61a, 61b) have a cavity (64, 65) and that the
5 temperature control device includes a temperature-controllable fluid source (83, 85) which is in
communication with the electrode (62, 63) and/or the electrode carrier (61a, 61b) by way of a quantitative
flow control device (84, 87). --

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Application No. To Be Assigned

1 -22 An electrosurgery apparatus as set forth in claims 19, characterised by at least one low-inertia
2 temperature sensor (86) which is connected to an input of the effective temperature profile control device
3 (87) and which can be arranged in the body adjacent to the electrode (32, 33, 62, 63) or the electrode carrier
4 (31, 61a-c).--

1 -23. An electrosurgery apparatus as set forth in claim 22 characterised in that the temperature sensor (86)
2 is connected to an input of the calculation unit (87.2) and that the calculation unit (87.2) has means for
3 verification or correction of a simulated, time-dependent effective temperature profile on the basis of the
4 measurement signal of the temperature sensor. --

1 -24. An electrosurgery apparatus as set forth in claim 14 characterised in that the effective temperature
2 profile control device has means (87.1, 87.2, 87.6) for storing and calling up the time-dependency of control
3 signals and for outputting control signals in accordance with a stored time-dependency.--

1 --25. An electrosurgery apparatus as set forth in claim 14 characterised in that the electrode carrier (31,
2 61a-c) has a tubular element (61a, 61b) of electrically insulating material with a decreasing, in particular
3 conical distal end, on the peripheral surface of which is arranged the electrode (62, 63) and in the interior
4 of which is arranged the temperature control device (64, 65).--

1 -26. An electrosurgery apparatus as set forth in claim 14, characterised by two electrodes (32, 33; 62, 63)
2 on the electrode carrier (31; 61a, 61b).--

Sub B3
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Cont.

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